

Equation of State Under Conditions of Adiabatic Compression, by M. S. Gurevich, O. S. Shultz.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol 117, No 3,  
Moscow, 1953, pp 597-598.

Dept of Interior  
US Bur of Mines  
Gorges Experiment Station  
Gorges, Alabama Tr 271

Sci - Engr

87,4478

May 59

Some Peculiarities of Solar Granulation; by  
V. Krat.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol LXXXIX, No 4,  
1953, pp 647-649. CIA 654600

ATIC NCL-76/V

Sci-Geophys

JUL 60

Telecom 40795

121,444

Measurements of Melting Points of Metals Under  
Extremely High Pressures, by V. P. Sutuzov, N. G.  
Sorokhberg, S. P. Sazanov

MESSIAH, thrice-mo per, Dok Ak Nauk SSSR, # Vol 100XII,  
No 4, 1953, pp 651-663.

NSF Tr 16

Scientific - Minerals/Metals CTS/DSC

7.9.57 - 13 5745

Ferromagnetic Resonance in the Waves of a Multiple  
Spark Generator, by K. A. Volkova. 4 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol LXXXIX,  
No 4, p 655-658.

NSF Tr 88

Si mon Lib 53/2763

USSR  
Scientific - Experimental Physics

6584

Oct 53 CIS

On the Derivation of Equations for Equilibrium  
Molecular Distribution Functions, by A. Ye.  
Clauberman.

Full translation.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol LXXXIX,  
No 5, 1953, pp 659-662.

4  
ESF 126

Scientific - Physics

CIS/DEX

8342

Interaction of Ultrasonic Waves in Liquids, by  
G. D. Mikhaylov, 3 pp.

RUSSIAH, thrice-mo per, Dok Ak Nauk SSSR, Vol LXXXIX,  
No 4, 1953, pp 663-664.

NSF Tr 70

Scientific - Physics

CTS/DEX

5237

Radiation From Fast Electrons in a Magnetic Field, by  
A. A. Sokolov, N. P. Klepikov, L. M. Ternov, *Soviet*

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol LXXXIX,  
No 4, 1953, p 665-663.

NSF Tr 54 ✓

Scientific - Physics

CTS/DEK

Sp. on file 531291  
See also 531291 4756

Scattering of X-Rays by Metals at Very Small Angles,  
by B. M. Rovinskii, V. M. Genkin

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol LXXXIX,  
No 4, 1953, pp 673-675.

NSF Tr 84

Scientific - Physics  
CTS/DEX

5912

A New Method of Simultaneous Microdetermination of  
Fluorine, Hydrogen and Carbon in Organic Compounds,  
by N. E. Gel'man, M. O. Korshun, 3 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol IXXXIX,  
No 4, 1953, pp 685-687.

ANLL R-32  
Sci Mus Lib No 54/0062

Scientific - Chemistry  
CTS/DEX

DA R-1975  
11, 355

On the First Members of the Series of Cacodyl  
(cacodyl-phosphonic) Esters, by Karay, ~~Step.~~ Gil'm,  
E. M. Eastanov, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol LXXXIX, No 4,  
1953, pp 693-695.,

Sci Trans Center  
RT-1737

14,667

Scientific - Chemistry Dec 54 CTS/DEK

Action of Benzoic Aldehyde Upon Certain Invertebrates., by B. S. Drabkin, UNCLASSIFIED

RUSSIAN, per, Dok Ak Nauk SSSR, Vol LXXXIX, No 4,  
1953, pp 705-707.

RT 1679 USDA

Scientific - ~~Chemistry~~ Dec 1954 CTS

Biology

20.167

Investigation of the Formation of Hydrated Silicates and Hydrated Aluminates of Calcium in Conditions of Hydrothermal Treatment,  
by Yu. M. Dutt, S. A. Krzheminskiy, 6 pp.

RUSSIAN, bimo per, Dok Ak Nauk SSSR, Vol LXXXIX, No 4, 1953, pp 709-711.

Sci Mus Lib 55/1794  
Sci - Minerals/Metals,  
Chemistry

29,570

Influence of Oxygen Upon the Damaging Action  
of Various Ionizing Radiations, by E. Ya.  
Grayevskiy, G. K. Ochinskaya,

RUSSIAN, per, Dok Ak Nauk SSSR, Vol LXXXIX,  
No 4, 1953, pp 737-740. CIA 9030430

Sci

USDA

Sci - Chem

Jul 58

67,117

Table of Contents of Dok Ak Nauk SSSR, Vol LXXXIX,  
No 5, 1953. *4 pp.*

RUSSIAN.

Ordnance Technical Intelligence Sv,  
Aberdeen Proving Ground, Md.  
Report OTIO 104

CIA 2509770

Theory of Displacement of Domain Boundaries, by  
E. S. Akulov, G. S. Krinchik

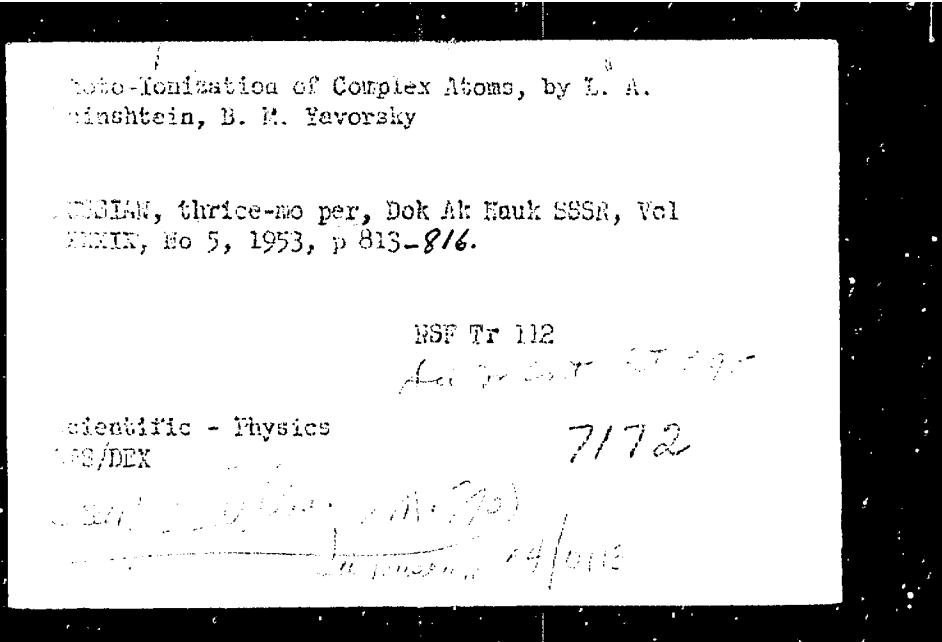
RUSSIAN, thrice-mo per, Dok Akad Nauk SSSR, Vol  
XXXIX, No 5, 1953, p 809-812.

NSF Tr 106

Scientific - Physics  
CTS/DEM

7175

See also Numerical Diffusion



Dielectric Properties of Some Polymorphous Organic Compounds, by F. M. Goltsman, Sh. Sh. Raskin, 3 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk, Vol LXXXIX, No 5, 1953, p 817- 819.

MSF Tr 118

RT 56

Scientific - Physics

CTS/DEX

7322

Absorption of Ultrasonic Waves in Polymer Solutions,  
by Yu. Ya. Gotlib, M. V. Volkenshtein, 5pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk, Vol LXXXIX, No 5,  
No 893, 1953, p 821-824.

ISF Tr 116

Scientific - Physics

CIS/DEX

7320

Striated High-Frequency Discharge, by Kh. A. Dzherpetov,  
A. A. Zaitsev, 5<sub>pp.</sub>

RUSSIAN, thrice-no per, Dok Ak Nauk, Vol LXXXIX, No 5,  
p 825-828.

1953

NSF Tr 119

Scientific - Physics

CES/DEX

7323

Propagation of Ultrasonic Waves in Polymer Solutions,  
by I. G. Mikhailov, L. A. Shagalova, *et al.*

RUSSIAN, thrice-mo per, Dok Ak Nauk, Vol LXXXIX,  
No 5, xx629x 1953, p 829-832.

NSF Tr 117

Scientific - Physics

Class 3 Cont RT 545  
CTS/DEX

732!

On the Theory of Striae in Gaseous Discharge, by  
M. F. Shirokov, <sup>5</sup> <sub>pp.</sub>

Full translation.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol  
LXXXIX, No 5, 1953, p 837-840.

ESP 128

8343

Scientific - Physics

CTB/DEK

Changes in the Lattice Parameter of Polycrystalline  
Solid Solutions and Intercrystalline Intercal  
Adsorption, by V. I. Arkharov, N. N. Skornyakov,  
RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol LXXXIX,  
No 5, p 841-844  
1953,

NSF Tr 96

Scientific - Chemistry  
CIS/DEX

7116

Influence of Moisture Conductivity During Electro-Osmosis, by A. V. Netushil, K. M. Polivanov, 4pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk, Vsesoyuznyy  
yxfifxi Vol LXXXIX, No 5, /p 845- 847  
1953

NSF Tr 120

1953

Scientific - Physics

CIS/DEX

7318

Use of Mathieu Functions for Computing Field  
Distribution in an Antenna to Obtain a Given  
Directional Diagram, by A. A. Pistolkors

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol  
XXXIX, No 5, 1953, p 849-852.

NSF Tr 113

P1  
A. A. Pistolkors

Physics  
Scientific Mathematics Electronics  
CTS/DEX

7173

In Russian 1953

Alkaloids of Benecio Sarcocephalus, by A. Danilova,  
et al, 3 pp.

RUSSIAN, thrice-mo per, Dok Akad Nauk SSSR, Vol LXXXII,  
No 5, 1953, pp 855-866.

Sci Mr Center  
RI-3996 59,133

Ent - Chemistry  
Sep 56 CTS/dex

(FDD 25339)

Vertical Distribution of the Number and Biomass of Microorganisms in the Deep Areas of the Black Sea,  
by A. Ye. Kriss, M. N. Lebedeva, 8 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol  
LXXXIX, No 5, Moscow, 11 Apr 1953, pp 949-952.

CIA/FDD/U-7473

USSR

Sci - Biology, hydrobiology

30,002

Table of Contents, 4 pp. UNCLASSIFIED

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol  
LXXXIX, No 6, 1953.

Ord Tech Intel Office  
Aberdeen Proving Ground, Md.  
OTIO-81

CIA 2201482

Absorption of Ultrasonic Waves in Certain Viscous Liquids, by I. G. Mikhaylov, 3 pp

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol LXXXIX,  
No 6, 1953, pp 591-593.

NSF Tr 59

Scientific - Physics

CIS/DEX

4758

The Length of Molecular Chain of Cis- and Trans-Polydiene, by A. A. Chistorazov, 4pp

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol LXXXIV,  
no 6, 1953, pp 999-1002.

NSF Tr Ex 61

Chemical - Physics

Scientific - Chemistry

CIS/DEK

4751

Question on the Causes of the Effect of Small Dissolved Impurities on the Kinetics of Aging of Alloys,  
by V. I. Arkharov, B. N. Varokoy, N. N. Cheryakov.

Top

RUSSIAN, thrice-mo par, Dok Ak Nauk SSSR, Vol LXIX, No 6, 1953, pp 1003-1006.

NSF Tr 45

Scientific - Physics

CTS/DEX

4539  
M 1/22/53 53/2214

Elementary Reactions of Atomic Oxygen in Ethane, by  
L. I. Avramenko, R. G. Kosenikova.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol LXXIX,  
No 6, 1953, pp 1037-1040.

36,093  
Nat Res Lib TT.573

Scientific - Chemistry

Jun 56/dex

The State of Walnut Shoot-Tissue Cells During  
Winter Dormancy and Their Winter Hardness, by  
A. M. Ozol, A. A. Lazareva, 5 pp.  
RUSSIAN, per, Dok Ak Nauk SSSR, Vol LXXXIX, No 6,  
1953, pp 1111-1114.  
OTS 63-11009  
PL-480

Sci - Biol & Med Sci  
Jan 65

271,031

On the Possibility of Settlement in the Azov Sea of  
Benthic Animals From the Black Sea, by V. N. Nikitin,  
E. P. Turpaieva, 5 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol XC, No 5, 1953.

FWS

Sci-

Jan 64

Five Solutions of a Class of Hyperbolic Equations,  
Having Application in the Theory of the Hydraulic  
Hammer, by D. M. Volkov,

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol XC,  
No 1, 1953, pp 49-50.

NSF Tr 46

also in J. Appl. Phys. 24, 67-69

Scientific - Mathematics

4534

53/630 CTS/DEX

Absorption of Cosmic Rays Particles Generating  
Electrono-Nuclear Showers, by S. A. Azimov, N. N.  
Izubinov, K. P. Ryzhikova, 44p.

RUSSEAN, fiziko-mo per., Dok Ak Nauk, SSSR, Vol XG,  
No 1, 1953, pp 51-54.

NSF Tr 62

Scientific - Nuclear Physics

CSC/DRX

4753

Radiative Corrections to Scattering of Electrons by  
Electrons, by A. Akhiyev, R. Polovin, 3 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol XC, No 1,  
1953, pp 55-57.

NSF Tr 47

Scientific - Physics

5514

Sep 53 GTS

Dependence of Photographic Emulsion Properties Upon  
the Conditions of the Recrystallization Process, by  
M. V. Chibisov, I. M. Ratner, 7 pp. UNCLASSIFIED.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol XC,  
No 1, 1953, pp 71-73.

CIA/FDD/X 1411

17,737

Scientific - Physics

Resolution According to the Eigen Functions of the  
Laplacian Operator, 4 pp. UNCLASSIFIED, by B. M. Levitan.  
by B. M. Levitan.

RUSSIAN, Mzhrice no per, Dok Ak Nauk SSSR, Vol XC,  
No 2, 1953, pp 133-135.

Sci Mu Lib No 54/1921

18,616

Scientific - Engineering

Infrared Absorption Spectrum of Liquid Water in  
the 3200-3600 cm<sup>-1</sup> Region, by S. N. Andreyev, T. G.  
Balicheva, 3 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol 20,  
No 2, 1953, pp 149-151.

NSF Tr 66

Scientific - Chemistry

CTS/DEX

5231

On the Possibility of Using Radiations of Stable  
Cadmium Isotopes  $\beta$  of Even Mass Number for the  
Reproduction of the Unit of Length, by N. R.  
Batachukova, A. I. Kartashev, M. F. Romanova

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol XC,  
No 2, 1953, pp 153-156.

ESF Tr 107

Scientific Nuclear Physics  
CTS/DEX

7183

Absorption of Light and Dielectric Constant of Alkali Halide Crystals by A. A. Vorob'yev  
pp

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol XC,  
No 2, 1953, pp 157-158.

NSP Tr 67

Scientific - Physics

CTS/DEX

D.S.T.

5233

T-475

Dispersion of Sound in a Turbulent Flow, by V. A.  
Krasil'nikov, V. I. Tatarskiy, 5pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol XC, No 2,  
1953, pp 159-162.

NSF Tr 121

*See D. L. - 127 4/5*

Scientific - Physics

CTS/DEX

7313

Strong Perturbations of Natural Electromagnetic  
Oscillations in Nearly Cylindrical Regions, by  
Yu. S. Sayasov 9pp.

RUSSIAN, thirteen-pg, Dok Akad Nauk SSSR, Vol XC,  
No 2, 1953, pp 163-165.

NSF Tr 76

See Manus Lit 55/2760

Scientific - Physics CIS/DM

5747

The Dimensions of Raindrops, by N. S. Shishkin,  
5 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol XC, No 2,  
1953, pp 171-174.

Assoc Tech Serv

Sci - Geophys

Jul 58

67,169

Relations of Levels of Blending of Flickers and  
Simultaneous Contrast in the Visual Analyst, by  
M. M. Bongard, 8 pp.

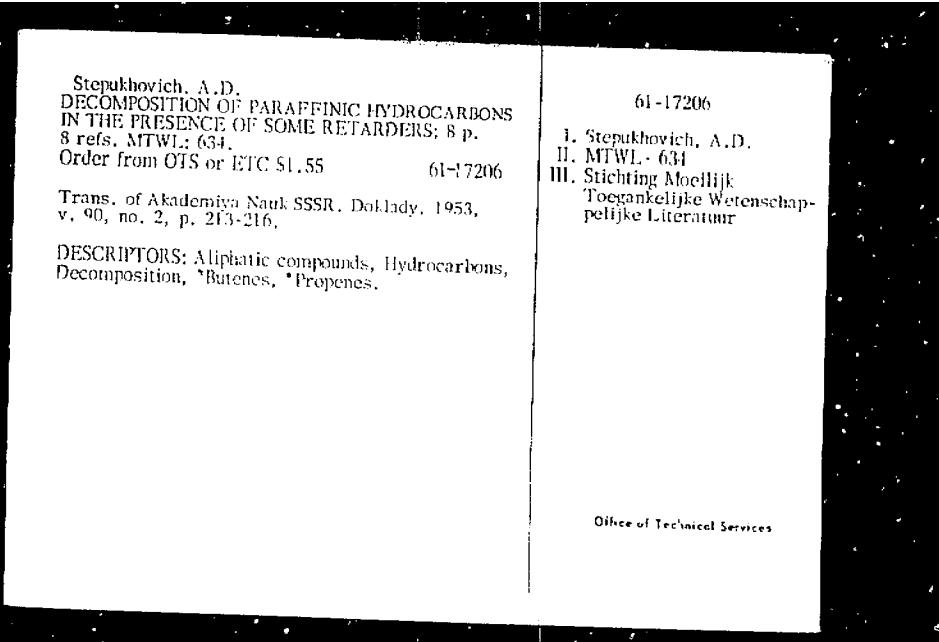
RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol XC,  
No 2, 1953, pp 175-178.

CIA/FDD/X-1565

Scientific - Physics

CTS 66/Mar 1955

21,986



Simplified Methods for Calculating the Kinematic Factor, by E. N. Belova, N. V. Belov, 3 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol XC,  
No 2, 1953, pp 183, 184.

CIA/FDD/X-1566

Scientific - Physics

21,987

CTS 66/Mar 1955

New Ecological Studies of Progressive Weakening  
and Fracture of Crystalline Materials at a High  
Temperature, by S. N. Ulomsky,

RUSSIAN, per, Dok Ak Nauk SSSR, Vol XC, No 2,  
1953, pp 295-297.

23,3602

Co-op Tr Sch No 114  
L1. 12s (4s. 0d)  
S ci. Russ L1(54/5796)

Scientific - Chemistry May 55 CTS

Acoustic Resistance of a Moving Plane Emitter, by  
D. N. Chetayev. 5 pp

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol XC,  
No 3 p 355-358.

NSF Tr 89

USSR *Sci Trans / L 23/2733*

Scientific - Physics

Oct 53 CTS

*6585*

On the Quantum Theory of Wave Fields, by B. T.  
Geilikman, 5 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSER, Vol XC,  
No 3, 1953, pp 359-362.

9507528

Sci Trans Center RT-824

100-107

Scientific - Physics  
CTS/DEX

14,061

Kinetics of the Destruction of Superconductivity by  
an Alternating Field ( $W \approx 10^5$  sec $^{-1}$ ), by I. M.  
Lifshits

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol XC,  
No 3, 1953, p 363-366.

Scientific Physics  
CIS/DEX

NSF Tr 114  
See D. R. 3737  
7182

On the Electrical Field Induced by the  
Vertical Component of Geomagnetic Variation,  
by A. P. Bondarenko. UNCLASSIFIED

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol XC,  
No 3, 1953, pp 367-370.

Co-OP IN Sci. In 403  
Sgt. 125. Navy Tr 1080/RD 214

Scientific - Geophysics May 55 CPS/DEX

23, 968

Development of the Electrical Reaction of the Retina  
in Ontogenesis, by G. G. Damirchogyan, V. S.  
Mirzoyan, 8 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol XC, No 3,  
1953, pp 371-374.

NIN 10-5-60

OTS 63-16460

Ref - Med  
Feb 61

139, 626

On the Structure of Crystals of Martensite in Hardened Steel, by M. P. Arbuzov, L. I. Lysak, Ye. G. Nesterenko

RUSSIAN, three-me per, Dok ak Nauk SSSR, Vol XC,  
No 3, 1953, pp 375-377.

NSP 153

54/6411

Scientific - Minerals/Metals Jul 53 CTS/DEX  
8529

A Method for Determining Diffusion Coefficients, by  
S. N. Kryukov, A. A. Zhukhovitskiy, 4 pp.

RUSSIAN, thrice-mo per, Dok Akad Nauk SSSR, Vol XC,  
No 3, 1953, pp 379-382.

NSF Tr 71

Scientific - Physics

CCTS/DEX

5232

Synthesis and Properties of Disilylmethane,  
1,2-Disilyloethane, 1,3-Disilylpropane and 1,3,5-  
Trisilene-2,4,6-Trimethylene Cycloalkane, by A. D.  
Petrov, V. A. Ponomarenko, [REDACTED]

RUSSIAN, per, Dok Ak Nauk SSSR, Vol 105, 1959,  
pp 387-390.

DDI: M.1374

{Lean}

SLA 69-17203

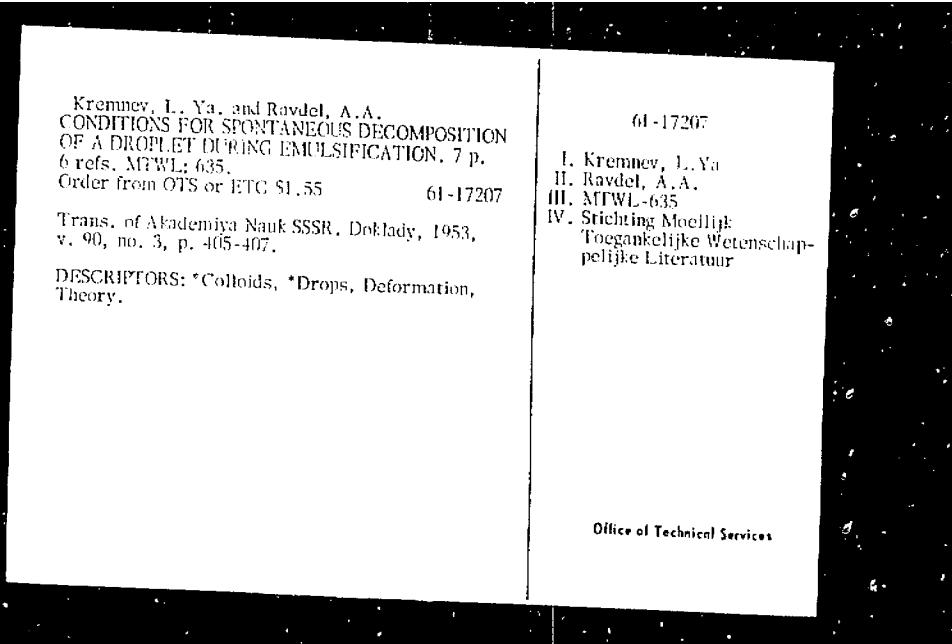
Sci - Chem  
App G

112,665

Thermal Investigation of the Reaction in Preparing  
Phenol-Formaldehyde Resins, by G. B. Ravich,  
A. F. Frolova, 6 pp.  
RUSSIAN, per, Dok Ak Nauk SSSR, Vol XC, 1953,  
pp 391-394, 9230423.  
AEC SC-t-65-745

293,004

Sci-Chem  
Nov 65



Luminosity Function of Meteor Streams and the Distribution of Meteoric Bodies According to Mass, by B. J. Levin, 8 pp.  
RUSSIAN, per, Dok Ak Nauk SSSR Vol XC, No 4,  
1953, A

23,750

CIA/FDD/X-1633

Scientific - Astronomy      May 55      CTB

On the Isomorphism of Beryllium in Connection  
With Its Dispersion and Concentration, by A. A.  
Beus, 9 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol XC,  
1953, pp 425-428.

SLA R-1196

May 58

63,902.

Dependence of Hydraulic Activities of High-Aluminum Slags on Their Phase Characteristics (Crystallinity and Composition), by Volchek.

RUSSIAN, three-me part, Dok Ak Nauk SSSR, Vol XC,  
No 3, 1953; pp 437-440.

NLL A1 1953  
Co-op Tr Sch Tr 774

Sci - Min/met C.V. 58, 247  
Feb 58 314 Aller 1/1  
S. M. L. 1953  
C. 2 V. 58.

Theory of Construction of Interpolation  
Formulas, by Sh. E. Mikeladze,, 6 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol XC,  
No 4, 1953, pp 503-506.

Sci Mu Lib No 54/2910

Scientific - Physics 19,696

Nov 1954 CTS

The Electrical Conductivity of Cuprous Oxide, by  
A. I. Andriyevsky, V. I. Voloshchenko, M. T. Mishchenko,

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol XC,  
No 4, p 521-523

NSF Tr 90

OTS 62-26018

Scientific - Electronics

Oct 53 CIS

6581

Specific Heat of Solid Oxygen Below 4°K, by M. O.  
Kostryukova, P. G. Strelkov

RUSSIAN, three-mo per, Dok Ak Nauk SSSR, Vol XC,  
No 4, 1953, pp 525.

NSF Tr 87

Scientific - Chemistry  
CTS/DEX

5951

Kinetics of the Destruction of Superconductivity  
by a High Frequency Field, by I. M. Lifshits,  
N. I. Kaganov.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol XC<sup>1</sup>,  
No 4, p 529-531.

*Armenian Transl. /TK/*

NSF Tr 91

Scientific - Electronics

6582

Oct 53 CIS

Colorimetric Method of Preparing Isochromatic Plates  
For Testing Color Blindness, by E. N. Yustova, 6 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol XC,  
No 4, 1953, pp 533-535.

CIA/FDD/X-1571

USSR

Scientific - Physics

21/992

CTS 66/Mar 1955

The Method of Mutual Grinding Applied to the Study  
of Glasses, by V. D. Kuznetsov. 4ff.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol XC,  
No 4, p 537-540.

NSF Tr 92

Sci. Transl. 53/2768  
Scientific - Physics, optics

DSMA 224 1071 1000  
Oct 53 CTS

6583

Solubility Diagram of the Ternary System  $\text{KNO}_3\text{-NH}_4\text{NO}_3\text{-H}_2\text{O}$  at  $25^\circ \text{C}$ , by A. S. Kurnaukhov.  
RUSSIAN, per, Dok Ak Nauk SSSR, Vol 90, No 4, 1953,  
pp 549-551.  
ATS-RJ-5833

Apr 72

Effect of the Molecular Weight, the Form of the Molecule, and the Presence of Polar Groups Upon "Self-Adhesion" of Polymers, by S. S. Veyutskiy, B. V. Shtarkh.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol XC, No 4, 1953, pp 573-576.

NLL N. 2872

Sci - Chem

61-13263  
180, 014

Jan 62

Investigation of the Chain Reaction of Oxidation  
of Acetaldehyde By Radioactive Carbon, by  
M. B. Neyman, G. I. Feklisov, 10 pp

RUSSIAN, per, Dok Ak Nauk SSSR, Vol XC, No 4,  
1953, pp 583-586.

NLL n1.2873  
CIA/FDD/X-1614

22834  
d91

Scientific - Chemistry Apr 55 CIS

Decolorization of Photochemically Colored  
Silver Halide, by E. A. Nesterovskaya, 8 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol XC, No 4,  
1953, pp 587-590.

CIA/FDD/X-1625

23,654

Scientific - Chemistry

May 55 CTS

The Sorption Properties of Calcined Calcium and Magnesium Oxides, by E. N. Nikitin.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol XM XC,  
1953, pp 581-594.

9 Consultants Customs Tr  
Sov-1968  
\$21.00

Sci - Chem

Mar 59

83,448

Elastic-Plastic-Viscous Properties of Bread Dough,  
by S. A. Nikolaev.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol XC,  
~~XXIX~~ No 4, 1953, pp 595-598.

Co-op Tr Sch 74

Scientific - Chemistry

f1.12s.(4s.0d.)

Jun 54 CTS

14,559

Concerning The Limiting Dimensions of  
Droplets in Emulsions, by A. A. Ravdel<sup>1</sup>, L.  
Ya. Kremnev, 11pp.  
RUSSIAN, per, Doklady Akademii Nauk,  
Vol 90, No 4, 1953, pp 599-602.  
CFSTI TT-64-20178.

322, 370

Sci - Chemistry  
Mar 67

Effect of the Methyl Ether Vapors of 2,4,5-Trichlorophen-Oxyacetic Acid on Fruit Formation in Tomatoes, by Yu. V. Rakitin, A. V. Krylov. 7p.  
RUSSIAN, Doklady Akad Nauk SSSR, Vol 90, No 4, 1953, pp 681-683.  
SLA TT-66-10240

Sci-Agric  
Jul 66

307,560

Normal Algorithms and Recurring Functions, by  
V. K. Detlovs, 7 pp.  
RUSSIAN, per, Dok Ak Nauk SSSR, Vol XC, No 5,  
1953, pp 723-725. 9693473  
FTD-TT-64-276

Sci - Math & Data Proc  
Aug 64

265,178

On Integration of the One-Dimensional Equations  
of Gas Motion, by L. I. Sedov, 1 p.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol XC,  
1953, p 735.

Morris D. Friedman

5-13

USSR  
Scientific - Physics

CMS 55/Feb 55

26283

A Number of Meteor Streams and the Density of  
Meteoric Bodies, by B. J. Levin, 7 pp,

RUSSIAN, per, Dok Ak Nauk SSSR, Vol XC, No 5,  
1953,

23,752 CIA/FDD/X-1636

Scientific - Astronomy

May 55 CTS

Excitons in Crystals of Cuprous Oxide, by Ye. F.  
Gross, B. P. Zalkarchenya, 5pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk, Vol XC, No 5,  
1953, p 745-748.

NSF Tr 122

1953

Scientific - Physics

CTS/DEX

7319

Regularities in the Change of Binding Energy of  
Nucleons in Nuclei, by V. A. Kravtsov

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol EX XC,  
No 5, 1953, p 749-751.

Sci Wkly 1953 #391  
NSF Tr 115

Scientific - Nuclear Physics  
CTS/DEX

7174

Att Museum 54/5151

Vibrational Spectrum of the Simplest Model of an  
Ordering Alloy, by A. N. Men, A. N. Orlov, 4pp.

RUSIAN, thrice-as per, Dok Ak Nauk SSSR, Vol XC,  
No 5, 1953, p 753- 756.

MST Tr 160

8903

Scientific - Physics  
SRS/DSK

Ref. number: 547/5752

Broadening of Spectrum Lines by Quadrupole Stark Effect, by I. I. Bobylev, L. A. Vainshtein, 5 pp.

Af 6

ANISIAN, thrice-me per, Dok Ak Nauk SSSR, v Vol XC,  
No 5, 1953, p 757-760.

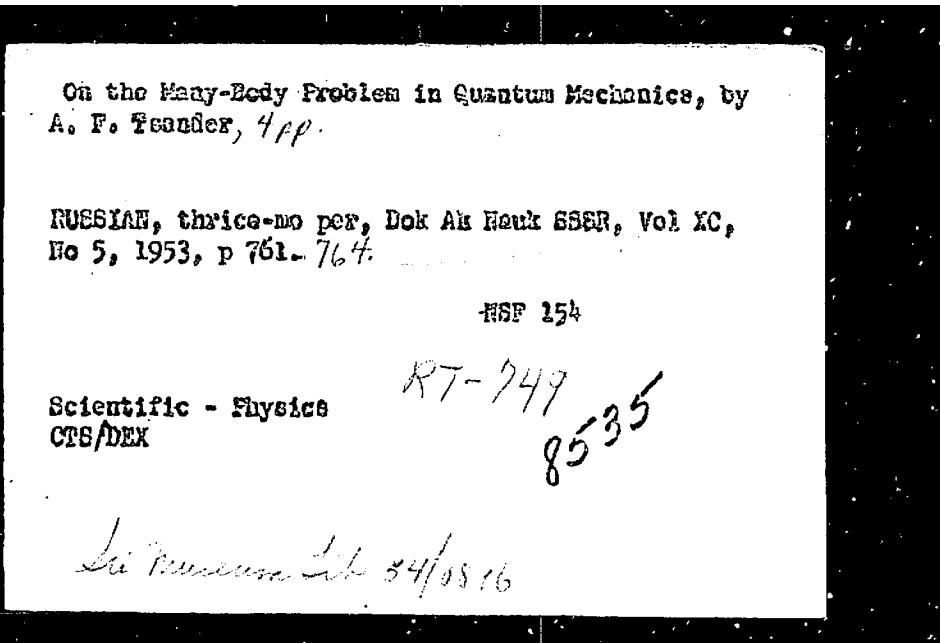
SSP Tr 161

AT-135

Scientific - Physics  
Sov/SER

8 904

756 (1953) 5, No. 5, p. 757-760



On the Effect of Change in Deformation Rate on  
Plastic Deformation, by L. I. Vasilyev, A. S.  
Bylina, M. P. Zagrebennikova, 3pp.

Full translation.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol XC,  
No 5, 1953, p 767-769.

Scientific - Physics

RSP 138  
SLA 7/1982

CTS/DEX

8355

See Trans. No. 54/0793

The Role of Carbon and Aluminium Silicate in  
the Bulk Polymerization of Olefines by Gaseous  
Boron Trifluoride, by Y. M. Paushkin,  
L. I. Shcherbakov,

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR,  
Vol XC, No 5, 1953, pp 795-797.

Co-op Tr Sch No 90  
L1.12s. (4s.0d.)

18,835

Scientific - Chemistry, ~~Chemical~~

Reaction of Addition and Condensation of  
Phosphonacetone and of the Phosphonoacetic  
Ester, by A. N. Pudovik, N. N. Lebedeva,  
7 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR,  
Vol 4C, No 5, 1953, pp 799-802. CIA D  
197094

36,303

MIN

Sci - Chemistry

Jul 1956

A Volumetric-Gravimetric Method of Measuring  
Adsorption of a Mixture of Gases, by B. P.  
Bering and V. V. Serpinskii.  
RUSSIAN, per, Doklady Akademii Nauk SSSR,  
Vol 90, No 5, 1953, pp 811-814.  
ILL RIS 3438

Sci-Chem  
Nov 67

345,291

ES'KOVA, E. M. and KAZAKOVA, M.E.  
R-1597. Shcherbakovite-a new mineral. Doklady  
Akad. Nauk SSSR, 90, p.837-841, 1954. (8p.)

On the Mechanism of the Process of the  
Electro-polishing of Copper in Phosphoric Acid,  
by A. V. Fortunatov, A. V. Finkel'shtein ,

RUSSIAN, per, Dok Ak Nauk SSSR, Vol XC,  
No 5, 1953, pp 823-826.

Co-op Tr 24 Sch No 91  
L1.12c. (4s.0d.)

Scientific - Min/Metds, Electricity

18,836